CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/700,187

CRF Processing Date: 9/6/2001
Edited by: _____
Verified by: _____ (STIC sta

ENTERED

#5

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically: _____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____ .

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____

☑ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: 12

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included: _____

☐ Deleted extra, invalid, headings used by an applicant, specifically: _____

☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically: _____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically: _____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a Patentin bug). Sequences corrected: _____

☐ Other: _____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING   DATE: 09/06/2001
PATENT APPLICATION: US/09/700,187   TIME: 21:26:10

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\09062001\I700187.raw

```
 3 <110> APPLICANT: Sasaki, Yukiko
 4        Nagano, Yukio
 5        Inaba, Takehito
 7 <120> TITLE OF INVENTION: Light Repressible Promoter
 9 <130> FILE REFERENCE: 46216
11 <140> CURRENT APPLICATION NUMBER: US 09/700,187
13 <141> CURRENT FILING DATE: 2000-11-13
15 <150> PRIOR APPLICATION NUMBER: PCT/JP00/01269
17 <151> PRIOR FILING DATE: 2000-03-03
19 <160> NUMBER OF SEQ ID NOS: 40
21 <170> SOFTWARE: PatentIn ver. 2.0
23 <210> SEQ ID NO: 1
25 <211> LENGTH: 12
27 <212> TYPE: DNA
29 <213> ORGANISM: Pisum sativum cv. Alaska
31 <220> FEATURE:
33 <223> OTHER INFORMATION: Nucleotide sequence for a core region of light repressible
34        promoter from the pea small GTPase gene
36 <400> SEQUENCE: 1
37 ggattttaca gt                                                    12
39 <210> SEQ ID NO: 2
41 <211> LENGTH: 93
43 <212> TYPE: DNA
45 <213> ORGANISM: Pisum sativum cv. Alaska
47 <220> FEATURE:
49 <223> OTHER INFORMATION: Nucleotide sequence for a cis element of light repressible
50        promoter from the pea small GTPase gene
52 <400> SEQUENCE: 2
53 aaaagtaaca catattttga taaatttatt actaaaacta ttttctagta cttgttaatc  60
54 atgtctgagg attttacagt aataaagaaa cga                              93
56 <210> SEQ ID NO: 3
58 <211> LENGTH: 2325
60 <212> TYPE: DNA
62 <213> ORGANISM: pisum sativum cv. Alaska
64 <220> FEATURE:
66 <223> OTHER INFORMATION: Nucleotide sequence for a light repressible promoter from the
67        pea small GTPase gene
69 <400> SEQUENCE: 3
70 aagctttaaa ggcaagggaa agacaacaat tccaaaaata taaaaactcc taaagaatga   60
71 ttttattctt atcttcataa ataacttttc ctattccaaa aacacatcaa agttatgtga  120
72 ttcatatctt taattatctg ataatatata attgtatatt caatatttca tacaattgtg  180
73 ttatatgaaa tattttgtag gtaaaaggga ctaagaataa cctccgcaac atcaaagtca  240
74 gaaacctctt gtaactcttc agttgaaacg agaaggaagt ggacaacaca gaaaactaag  300
75 ttcccccact taacttcttg gtttgggtga ggacttcctt tacaatttat actctaagga  360
76 aatacattag acactctaga tgggttgcat tagctcatat attttaagt aataataccc   420
77 acttcaagtt ttttgttttt tgttgttgtg cagtagatga taagatggat catttctcaa  480
78 ggcccttatg caaagacata agatccatat actccaccaa gattgcttta catctaacca  540
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 79 agttaatgaa tttaaattct tcgaaacaat tatttcctac caaaggaagt ttatatgcac  600
 80 attttctaat gtatttttat atagaattga tacatgtttc tgttatacaa gattagaatt  660
 81 tggatttctc atccaaactc ctacacttgg tgagaaattt cagcctcaac ctcagtaaat  720
 82 caggttcctc cttcaaactc atacacttgg ttgagtgaga attatggacg tcaacctagc  780
 83 aatatgaatc cctctccaag atcctacact tatctgagtg agaattttgg tcctcgacct  840
 84 caacaagata gatttgatgg gtcatcacga ggggaagcat tcacattggg tcaaagattc  900
 85 acccaaacaa gtgagagaga catcacatat caaccaaaac cttaaggtga taggtgtatg  960
 86 agttctctta cttataaagt gctcaacctc cacttttcta agcaatgtgt gacttagaac 1020
 87 tcacacttat ttctcaacat aactcacact tgtttatcaa caatctcccc cacaagtgtg 1080
 88 agttcattcg ctatgtcccc ctcaagtgga atctctttca tccgcatgct tataccgttg 1140
 89 ttgacataca tctttactcg tcatgggcac ttcaatggga cacgctgcct gaccaccatg 1200
 90 tcaagaagac ttttgacaca aggagtcggt cccttactcg aaccagactc tgataccatt 1260
 91 aatagatcac tttgaatgga tatcattcat actatatcaa acatttacgt aaagataaaa 1320
 92 aattcaccca aacaaatgag agagacacta catctctctt attatattaa taaaatgtaa 1380
 93 agaaaaatat agtataaaag taacacatat tttgataaat ttattactaa aactattttc 1440
 94 tagtacttgt taatcatgtc tgaggatttt acagtaataa agaaacgagg tagcccaaac 1500
 95 aaaagtgata attgtggagg gtgtgatctt tgtcggtgca aaaaatgaaa ccccaaactt 1560
 96 gtgatattgt gtcgactgct ccgtcgctac attgaaatta atgaatgttc ttttataacg 1620
 97 tttgtctatg ccgtattacc catatggtca ctagaatggg acaatgaatt taatatatat 1680
 98 ctgtcatgtg tgggtggatt caatttaatt gtatcgtaaa tggtaggaca tactcatgct 1740
 99 acacaattat atcatcactg gtcaatcact ggtcaatgtg ttttctcttc ccatgaattc 1800
100 acattgctaa agaaaattac caccttaaaa tgtttatccc ttgcacacat ttcacatcaa 1860
101 tttattaaaa cattttacca ttggaaaaca catacatatt caatcaatta tttttgcatt 1920
102 ttcaaaaact aaaccaaaca aacttagaat attttgtaat tatagcacaa ttttcaaaaa 1980
103 tatcctagtc ttcaaccact caataattca caatttccaa atcccttgca aaacatcaca 2040
104 acctctagaa actttgatta ataatctaat aaaagcaata atatgatatc taaacaatat 2100
105 caccatatat gttatgatat aatatgatgc agcaatacac ttaatttggt aaagcattaa 2160
106 agcgagacaa ctctattaac accggtaatt caacaaccgt tgttgtcgag ttcatgtttt 2220
107 cttccaactc ttttcctttt cctttacttt atttatttct cctacttacc ttttctacta 2280
108 atatatacta tctctcttga acctcttttt gatcttgaca agaaa           2325
110 <210> SEQ ID NO: 4
112 <211> LENGTH: 30
114 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
120 <223> OTHER INFORMATION: Primer used in Example 1
122 <400> SEQUENCE: 4
123 acggttgttg aattaccggt gttaatagag                             30
125 <210> SEQ ID NO: 5
127 <211> LENGTH: 22
129 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
135 <223> OTHER INFORMATION: NcoI primer used in Example 3
137 <400> SEQUENCE: 5
138 ggtccatggt cttgtcaaga tc                                     22
140 <210> SEQ ID NO: 6
142 <211> LENGTH: 21
144 <212> TYPE: DNA
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RAW SEQUENCE LISTING   DATE: 09/06/2001
PATENT APPLICATION: US/09/700,187   TIME: 21:26:10

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\09062001\I700187.raw

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146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
150 <223> OTHER INFORMATION: Primer used for preparing PL1 in Example 3
152 <400> SEQUENCE: 6
153 gggaagcttt aaaggcaagg g                                          21
155 <210> SEQ ID NO: 7
157 <211> LENGTH: 23
159 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
165 <223> OTHER INFORMATION: Primer used for preparing PL3 in Example 3
167 <400> SEQUENCE: 7
168 acgtaaagct taaaaattca ccc                                        23
170 <210> SEQ ID NO: 8
172 <211> LENGTH: 25
174 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
180 <223> OTHER INFORMATION: Primer used for preparing PL4 in Example 3
182 <400> SEQUENCE: 8
183 aaataaagct taaaagtaac acata                                      25
185 <210> SEQ ID NO: 9
187 <211> LENGTH: 27
189 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
195 <223> OTHER INFORMATION: Primer used for preparing PL4B in Example 3
197 <400> SEQUENCE: 9
198 gtactgcagt cagacatgat taacaag                                    27
200 <210> SEQ ID NO: 10
202 <211> LENGTH: 24
204 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
210 <223> OTHER INFORMATION: Primer used for preparing PL5 in Example 3
212 <400> SEQUENCE: 10
213 aaagaagctt ggtagcccaa acaa                                       24
215 <210> SEQ ID NO: 11
217 <211> LENGTH: 30
219 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
225 <223> OTHER INFORMATION: Primer used for preparing LS1 in Example 3
227 <400> SEQUENCE: 11
228 aagcttctgc agggattta cagtaataaa                                  30
230 <210> SEQ ID NO: 12
232 <211> LENGTH: 35
234 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
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```
238 <220> FEATURE:
240 <223> OTHER INFORMATION: Primer used for preparing LS2 in Example 3
242 <400> SEQUENCE: 12
243 aagcttgtct gactgcagta cagtaataaa gaaac                    35
245 <210> SEQ ID NO: 13
247 <211> LENGTH: 42
249 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
255 <223> OTHER INFORMATION: Primer used for preparing LS3 in Example 3
257 <400> SEQUENCE: 13
258 aagcttgtct gaggatttct gcagaataaa gaaacgaggt ag                    42
260 <210> SEQ ID NO: 14
262 <211> LENGTH: 48
264 <212> TYPE: DNA
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
270 <223> OTHER INFORMATION: Primer used for preparing LS4 in Example 3
272 <400> SEQUENCE: 14
273 aagcttgtct gaggatttta cagtctgcag gaaacgaggt agcccaaa                    48
275 <210> SEQ ID NO: 15
277 <211> LENGTH: 52
279 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
285 <223> OTHER INFORMATION: Primer used for preparing LS5 in Example 3
287 <400> SEQUENCE: 15
288 aagcttgtct gaggatttta cagtaataaa ctgcagaggt agcccaaaca ag                    52
290 <210> SEQ ID NO: 16
292 <211> LENGTH: 30
294 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
300 <223> OTHER INFORMATION: Primer used for preparing PL2 in Example 3
302 <400> SEQUENCE: 16
303 tcaatgggac acgctgcctg accaccatgt                    30
305 <210> SEQ ID NO: 17
307 <211> LENGTH: 31
309 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
315 <223> OTHER INFORMATION: pUC19 primer used in Example 3
317 <400> SEQUENCE: 17
318 ggcgtaatca tggtcatagc tgtttcctgt g                    31
320 <210> SEQ ID NO: 18
322 <211> LENGTH: 30
324 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 09/06/2001
PATENT APPLICATION: US/09/700,187   TIME: 21:26:10

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\09062001\I700187.raw

```
330 <223> OTHER INFORMATION: Primer used for preparing PL6 in Example 3
332 <400> SEQUENCE: 18
333 tgtcggtgca aaaaatgaaa ccccaaactt                              30
335 <210> SEQ ID NO: 19
337 <211> LENGTH: 30
339 <212> TYPE: DNA
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
345 <223> OTHER INFORMATION: Primer used for preparing PL7 in Example 3
347 <400> SEQUENCE: 19
348 aatgtttatc ccttgcacac atttcacatc                              30
350 <210> SEQ ID NO: 20
352 <211> LENGTH: 25
354 <212> TYPE: DNA
356 <213> ORGANISM: Artificial Sequence
358 <220> FEATURE:
360 <223> OTHER INFORMATION: Primer used for preparing PL8 in Example 3
362 <400> SEQUENCE: 20
363 gcaaaacatc acaacctcta gaaac                                   25
365 <210> SEQ ID NO: 21
367 <211> LENGTH: 39
369 <212> TYPE: DNA
371 <213> ORGANISM: Artificial Sequence
373 <220> FEATURE:
375 <223> OTHER INFORMATION: Primer used for preparing PL4c in Example 3
377 <400> SEQUENCE: 21
378 gtttggctgc agtcgtttct ttattactgt aaaatcctc                    39
380 <210> SEQ ID NO: 22
382 <211> LENGTH: 39
384 <212> TYPE: DNA
386 <213> ORGANISM: Artificial Sequence
388 <220> FEATURE:
390 <223> OTHER INFORMATION: Primer used for preparing PL4C in Example 3
392 <400> SEQUENCE: 22
393 caatactgca gtatatgtta tgatataata tgatgcagc                    39
395 <210> SEQ ID NO: 23
397 <211> LENGTH: 25
399 <212> TYPE: DNA
401 <213> ORGANISM: Artificial Sequence
403 <220> FEATURE:
405 <223> OTHER INFORMATION: gF primer used for preparing gF1 in Example 3
407 <400> SEQUENCE: 23
408 tactgcagaa aagtaacaca tattt                                   25
410 <210> SEQ ID NO: 24
412 <211> LENGTH: 31
414 <212> TYPE: DNA
416 <213> ORGANISM: Artificial Sequence
418 <220> FEATURE:
420 <223> OTHER INFORMATION: Primer used for preparing gF1 in Example 3
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VERIFICATION SUMMARY   DATE: 09/06/2001
PATENT APPLICATION: US/09/700,187   TIME: 21:26:11

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\09062001\I700187.raw

```
        RAW SEQUENCE LISTING              DATE: 08/01/2001
        PATENT APPLICATION:  US/09/700,187    TIME: 19:09:40

        Input Set : A:\Sasaki Seq List 7-16-01.txt
        Output Set: N:\CRF3\08012001\I700187.raw
```

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   3 <110> APPLICANT: Sasaki, Yukiko
   4         Nagano, Yukio
   5         Inaba, Takehito
   7 <120> TITLE OF INVENTION: Light Repressible Promoter
   9 <130> FILE REFERENCE: 46216
  11 <140> CURRENT APPLICATION NUMBER: US 09/700,187
  13 <141> CURRENT FILING DATE: 2000-11-13
  15 <150> PRIOR APPLICATION NUMBER: PCT/JP00/01269
W--> 17 <151> PRIOR FILING DATE: (2000-3-03)  2000-03-03
  19 <160> NUMBER OF SEQ ID NOS: 40
  21 <170> SOFTWARE: PatentIn ver. 2.0
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Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

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 230 <210> SEQ ID NO: 12
 232 <211> LENGTH: 35
 234 <212> TYPE: DNA
 236 <213> ORGANISM: Artificial Sequence
 238 <220> FEATURE:
 240 <223> OTHER INFORMATION: Primer used for preparing LS2 in Example 3
 242 <400> SEQUENCE: 12
E--> 243 aagcttgtct gactgcagta cagtaataaa gaaac          35<--insert
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/700,187

DATE: 08/01/2001
TIME: 19:09:41

Input Set : **A:\Sasaki Seq List 7-16-01.txt**
Output Set: **N:\CRF3\08012001\I700187.raw**

L:17 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:243 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:35 SEQ:12